



CONSERVATION CONNECTIONS



Newsletter of the St. Louis Region Shooting Range & Outdoor Education Centers

*The August A. Busch Memorial Conservation Area Shooting Range and Outdoor Education Center
&*

The Jay Henges Shooting Range and Outdoor Education Center

Volume 1, Issue 10

December 2005/January 2006

Youth, Opportunities for the Future

by: Tony L. Legg, Busch Outdoor Education Center Supervisor

Missouri ranks first in the US for recruitment of young hunters. Missouri has a rating of 1.16, which means for every 100 Missourians who someday no longer hunt 116 young hunters will take their place. How is Missouri accomplishing more than other states with its youth? Missouri has always been a leader in working with teachers providing classroom materials that explain wildlife management and hunting, establishing special youth permits and youth seasons, and thanks to far sighted Missourians we have our conservation sales tax that allows a unique benefit of offer numerous education and outdoor opportunities to our youth state-wide.



A group of youth hunters and parents receive a pre-hunt safety briefing before going on a supervised pheasant hunt.

Both the Busch and Henges Shooting Range and Outdoor Education Centers regularly offer numerous youth opportunities to learn outdoor skills, shooting, field and hunting skills along with their parents to promote spending time in the field

together. December and January are no different, upcoming hunting clinics and actual youth hunts will be taking place for upland game birds, rabbits, trapping, etc. To participate in hunts youth must be Hunter Education Certified, which can be taken free at either location. Youth must attend the clinic with an adult mentor to participate in the hunt. Busch and Henges will provide free of charge training, loan of firearm and ammunition for those that need them.

The main idea here is opportunity, no matter your means the Department wants youth to have the opportunity to participate and experience the outdoors first hand. This is taken to heart at both facilities where the key is hands-on, not just lecturing but getting your hands on things, trying out equipment and emersion in the activity when possible. Youth today have numerous activities to divert their chance for outdoor activities and enjoyment, school, homework, chores, sports, music lessons, sports practice, video games, television, and friends. So it is important not to just talk about the outdoors, but to follow it up with actual encounters and with their parents to mentor and benefit from the experience together.



Two young ladies take aim on a flushed ring-neck pheasant taking to the air.

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Broad smiles on both youth hunters and parents after a successful hunt.

So whether your family has a long tradition of hunting, or you have little background but want your youth to have that opportunity to decide for themselves, or maybe you want to start your own traditions, we have that opportunity to get you started. Check out our program pages inside or check us out on the web and sign up for

that opportunity of a lifetime and chance to start something truly rewarding.

Hypothermia!

by: Bob Campbell, Henges Resource Assistant

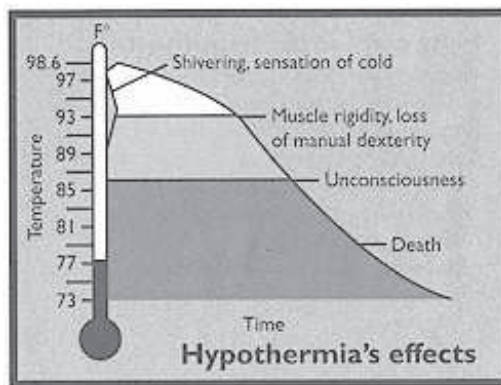
Danger! Danger! Hypothermia may be coming to a body near you. Man's body temperature is constant or relatively close to 98.6 degrees, unlike snakes and other reptiles which are cold blooded. As a warm blooded mammal we maintain this temperature by generating our own heat though the metabolism of nutrients.

Food and water are essential in maintaining the body temperature of the active outdoorsman. We have two methods of maintaining our temperature: first, physiological effects which are involuntary reactions to the external temperature and secondly, deliberate or intellectual reactions which we control (i.e. putting on your coat).

Physiologically heat is generated within the body by the muscles. Most of the heat is dissipated through the skin and a smaller part through the lungs. Remember the skin is the largest organ of our body, so keep it protected. When shivering, your muscular activity generates heat involuntarily to control the body's core temperature. The core of your body is your torso from your neck to your waist, i.e. heart, lungs, liver, intestines, etc. The body will sacrifice your extremities to keep your core temperature constant. As your core temperature gets too hot the capillaries open up increasing blood flow to the extremities. The reverse is true when the core temperature gets too low.

Deliberately or intellectually you can take off the coat, gloves and hat to allow the body to cool off, or adorn them to retain heat. Once again remember the skin is the largest organ of the body.

Heat loss occurs whenever the air or water temperature is below that of the body temperature. If a person falls into cold water, he will lose heat faster than if just standing in the cold air.



Things to watch out for are: muscle stiffening, loss of coordination, and the decision making process becomes slower. The personality is also affected causing the person to become argumentative. The heart pumps harder and faster, causing increased breathing.

The person showing signs of mild hypothermia needs to be warmed up. Get them out of the wind and into some shelter if possible. Give them some warm liquids, dry clothes and blankets and seek medical attention. Avoid alcohol this only

complicates the problem. To avoid hypothermia always dress in layers, stay dry drink plenty of fluids and eat plenty of food.

For additional information, see Hypothermia, Frostbite and other Cold Injuries, James A. Wilkerson, M.D., Editor, 1986.

Getting Kicked?

by: Jan Morris, Henges Resource Technician

Overcoming recoil is one of the obstacles to good marksmanship. The average adult shooter has a pain tolerance of about 20 pounds of thump on the shoulder. Any more, OUCH!

Younger shooters may quickly develop the dreaded flinch if started on a firearm with too much recoil. Coupled with the loud bang, and less than adequate ear protection, the poor youngster may never develop into a proficient marksman.

Parents sometimes purchase inexpensive Dove & Quail or Universal loads for beginning shooters thinking they are just fine for little junior. Poor little junior is still getting thumped! Dove & Quail and Universal loads are loaded to approx. 1300 fps (feet per second) to ensure cycling in semi-automatic shotguns.

Here is a chart showing the recoil energies for the various loads in an 8 pound shotgun:

1 oz. @ 1200 fps	= 17.5 ft. lb. (foot pounds) recoil
1 1/8 oz @ 1150 fps	= 18 ft lb recoil
1 1/8 oz @ 1200 fps	= 21 ft lb recoil
1 1/8 oz @ 1310 fps	= 26 ft lb recoil
1 1/4 oz @ 1440 fps	= 38 ft lb recoil
1 3/8 oz @ 1440 fps	= 44 ft lb recoil
2 oz @ 1300 fps	= 71 ft lb recoil

(source: Field & Stream, Nov. 2002)

As you can see, the more speed, the larger the recoil energy on the shoulder. Three and a half inch 12 gauge magnum 2 oz turkey loads have more recoil than the .458 Winchester Magnum rifle cartridge. That's right... more recoil energy to kill a 20 lb. bird than an elephant! Ridiculous in my opinion.

The average deer rifle may generate 15 to 30 lbs. of recoil energy. My .280 Remington recoils with about 18 lbs. of energy. A 7mm Remington Ultra Magnum hits with about 25 lbs. of energy. If you're tired of getting beat on the shoulder, avoid the magnumitis and shoot something a little smaller. For deer rifles, try the .260 Remington, the 7mm 08, the 6.5 Swedish Mauser, or even the old .30 30 Winchester. They all kill deer very dead and don't kill your shoulder at the same time.

For shotgunners, try the 1 oz. target loads, the Winchester AA Lite Trap loads, or for more speed, the International Target loads at 1325 fps but with 7/8 oz loads and low recoil. Take it easy on the kids, the ladies, and your own shoulder as well.

"I admire men who take the next step, not those who theorized about the two-hundredth step."--Theodore Roosevelt

August A. Busch Memorial Outdoor Education Center

To Register for Programs/Classes Call (636) 441-4554

ALL PROGRAMS ARE FREE OF CHARGE TO THE PUBLIC UNLESS NOTED

Youth Upland Bird Hunting Clinic & Pheasant Hunt

Clinic Thursday, 1st - 6pm to 9pm & Hunt Sunday, 4th - 8am to 12pm

MDC, Gateway Chapter of Quail Forever, and Eastern Missouri Chapter of Pheasants Forever will be hosting a FREE Upland Game Bird Clinic and Pheasant Hunt for youth on the Busch Conservation Area. Clinic will cover firearm and hunting safety, hunting with dogs, habitat, game care and cleaning and much more. MDC will provide firearms and ammunition for those who need them and give them a hunter orange upland game hunting cap all at no charge. Pheasants Forever will provide Free memberships to their youth organization and magazine Ringneck. Open to ages 11 to 15 years, who are Hunter Education Certified. Youth must attend with an adult sponsor who will be mentoring the youth in the future. Both youth and adult must attend clinic to participate in the hunt.



Missouri Hunter Education Certification Course

Tuesday, 6th - Thursday, 8th

5:30pm to 9:30pm each night

Hunter Education Certification Course open to ages 11 and up, youth ages 11 thru 13 must have adult attend with them, ages 15 and younger must bring birth certificate, ages 16 and older must have a valid ID. Must attend all three nights and pass test.



Youth Rabbit Hunting Clinic and Special Hunts

Clinic Sunday, 10th- 9am to 2pm --

Hunts will be drawn at clinic

50 youth (Hunter Ed. graduates 11-15 years old) will receive information in rabbit biology, habitat, hunting safety, hunting techniques, hunting with dogs, and much more. These youth will then be drawn for 1 of 5 special 2 and 3 day youth hunts on an area at Busch set aside for these youth only. The youth may bring one youth friend with them on the hunt, no adults may actually hunt in the youth area, but must accompany the youth. Busch will provide free of charge shotguns and ammunition for those youth without their own.



Knife Sharpening Basics

Tuesday, 13th - 6pm to 8pm

Why can't you get that knife sharp like when it was new? Ever heard the old warning, a dull knife is a dangerous knife? Looking for help and techniques to get those pocket, kitchen, hunting and fishing knives sharpened? This seminar will cover the differences in knives, edges, angles, and some of the techniques to sharpen them correctly. Great class for scouts.



Did you miss a past issue of our Conservation Connections Newsletter or looking for a past article.

**No worry just visit our web pages at:
www.mdc.mo.gov/areas/ranges/busch**

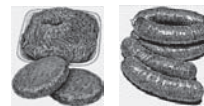
**or
www.mdc.mo.gov/areas/ranges/henges
and click on the link at the left of the page for
our newsletter archives.**

DECEMBER PROGRAMS

Deer/Venison Hamburger & Sausage Making Seminar

Wednesday, 14th 5:30pm to 8:30pm

Wanting to fore go the cost of having someone else process your deer meat? Just wanting to try something new by trying your hand at grinding meat and experimenting with various spices? Come and join our staff as we grind and season hamburger and sausage. We will conduct hands-on grinding and will taste a sample of the work.



Deer / Venison Cooking Seminar

Thursday, 15th 5:30pm to 8:30pm

Scared of cooking deer meat because of all the horror stories you have heard from others? Just not sure of what you are doing? Well join us as we cook up some simple recipes to temp your taste buds. We will try various different dishes and attendees will conduct hands-on cooking along with sampling their work.



Air Rifle Basics for the Beginner (BB and Pellet rifles)

Saturday, 17th 9am to 12pm

Will someone be getting that first air rifle for Christmas? Air rifles have had a long tradition of being one of the first firearms for many youth and families interested in the sport of shooting. Our staff will be conducting a Beginning Air Rifle Program for anyone ages 9 and above. Air rifles and equipment will be provided.



.22 cal Rifle Plinking

Saturday, 17th 2pm to 4:30pm

This program is for experienced .22 caliber rifle shooters. We will cover the safety of shooting metal targets and then shoot at some of these targets. Shooters may bring their own rifles and ammunition, limited to .22 cal Short, Long, or Long Rifle ammunition only.



Wood Duck House Building

Wednesday, 21st 6pm to 8:30pm

This is a hands-on program excellent for students, scout groups and 4-H students, as well as for anyone with a basic toolbox. Attendees will assemble a house and take it home with them along with plans for additional ones. Youth under 13 must be accompanied by an adult during the training and recommended for all others.



Cold Weather Camping Basics

Thursday, 22nd 10am to 12pm

Program will cover basic safety, techniques and equipment for camping in cold weather.



Live Rabbit Trap I Building

Wednesday, 28th 6pm to 8:30pm

This is a hands-on program excellent for students, scout groups and 4-H students, as well as for anyone with a basic toolbox. Attendees will assemble a trap and take it home with them along with plans for additional ones. Youth under 13 must be accompanied by an adult during the training and recommended for all others.



How to Rough Antler Score

Thursday, 29th 6pm to 8pm

Attendees will learn the basics of how to rough score their whitetail deer antlers. This will also help in selecting deer for harvesting during deer seasons.



August A. Busch Memorial Outdoor Education Center

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ALL PROGRAMS ARE FREE OF CHARGE TO THE PUBLIC UNLESS NOTED

JANUARY PROGRAMS

Fly-Fishing 100 – Getting Started Saturday, 7th – 9am to 11am



This 2 hour seminar is designed to be your one stop opportunity to learn all about the art of fly-fishing. Learn about rods, reels, lines, knots, wading equipment and other gear used by the fly-fisher. This is a great introduction to the sport.

Missouri Hunter Education Certification Course Tuesday, 17th - Thursday, 19th 5:30 pm to 9:30pm each night



Hunter Education Certification Course open to ages 11 and up, youth ages 11 thru 13 must have adult attend with them, ages 15 and younger must bring birth certificate, ages 16 and older must have a valid ID. Must attend all three nights and pass test.

"The air is so cold and still that sound seems to carry forever, and we can hear a growing swell of feeding chuckles and flight noises sweeping toward us. Then wings are tearing the air apart like so much old cloth and the ducks are there, close enough to the blind to reach right out and touch." - E. Donnell Thomas Jr., "Mallards on Ice," The Retriever Journal, Dec./Jan. 1997

Fly-Fishing 101 - Techniques Saturday, 21st - 9am to 11am



This 2 hour seminar is designed for the fly-fisher who has a working knowledge of casting, knots and fly patterns. Topics include presentation, wading, playing fish and releasing fish.

NRA Basic Shotgun Certification Thursday, 26th - 6pm to 9pm & Saturday, 28th – 8am to 3pm



The 10-hour course is conducted in two classes. A Friday evening classroom session and a Saturday morning shooting session at the range and 2 hour final session in the classroom. This program covers safety, handling, types, shells, patterning, equipment, marksmanship fundamentals and more. The Range will provide all firearms and ammunition for those without equipment. Participants should bring their own firearms, ammunition, equipment, and owner's manual to the course if they have them. This course is extremely limited in class size. Attendees must be 8 years of age or older and able to hold and fire the shotgun by themselves. Youth 15 and younger must attend with an adult.

"Nature-Deficit Disorder.....I am not suggesting that this term represents an existing medical diagnosis. But when I talk about nature-deficit disorder with groups of parents and educators, the meaning of the phrase is clear. Nature-deficit disorder describes the human costs of alienation from nature, among them: diminished use of the senses, attention difficulties, and higher rates of physical and emotional illnesses. The disorder can be detected in individuals, families, and communities. Nature deficit can even change human behavior in cities, which could ultimately affect their design, since long-standing studies show a relationship between rates, depression, and other urban maladies."

Richard Louv, Last Child in the Woods -- Saving our children from nature-deficit disorder.

Fuzzy Chicken??

by: Tony Legg, Busch Outdoor Education Center Supervisor

Fuzzy chicken, it could well be another name for rabbit. That's because you can substitute rabbit meat for pretty much any recipe you would use chicken in. For generations both here in the US and abroad the rabbit has been a mainstay for many a table. A lean meat with little fat and easily prepared in so many ways, especially how my grandma prepared it, no wonder people have loved to hunt cottontails so much.

With a mortality rate of about 70% from predators, disease, and other causes rabbits are naturally prolific breeders. As many urban and city folks can attest to in their gardens, where no natural predators now exist and hunting is normally prohibited they can easily get out of control. This finds their main source of death pretty much from dogs, cats and the automobile, which we don't track, probably because unlike deer they don't take out the front end of your car when hit. Of course trapping in an old box trap is still an option, however most folks opt for the pre-killed, pre-dressed, pre-packaged higher fat beef, pork and chicken from the store, which rabbit is pretty hard to find at most stores.

Of course most hunters know that rabbits are found pretty easily in fence rows, brush piles, briar patches and thickets, just about anywhere there is just a little cover. Rabbits are easily

hunted especially in snow with shotguns or .22 cal rifles and with or with-out dogs. Just a sweet sound to most hunters, nothing sounds prettier than beagle voices hot on the trail of that old cotton tail. So, if you are ready to try something that many still find as outstanding table fare, get out there and hunt up a rabbit or two.

Rabbit in the Crockpot

4 servings
8 hours 15 minutes (15 mins prep)

2 – rabbits, cut into serving pieces
salt and pepper
2 – (8 ounce) cans tomato sauce
2 – (15 ounce) cans diced tomatoes
1 – medium onion, chopped
2 – cloves garlic, chopped
½ teaspoon rosemary
1 – cup dry white wine

1. Salt and pepper the rabbit pieces to taste.
2. Place the rabbit in the crockpot.
3. Mix the rest of the ingredients together and pour over rabbit stirring to coat.
4. Cover and cook on low for 6 to 8 hours
5. Serve and enjoy!

Jay Henges Outdoor Education Center

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DECEMBER PROGRAMS

Boy Scouts of America Rifle Merit Badge Program

Thursday, 7th – 6pm to 9pm &

Saturday, 10th – 8am to 12pm

This BSA program will be taught by NRA and Missouri Hunter Education Instructors. This is a 2 day program. Program includes a 3 hour lecture on firearms safety, firearms nomenclature, ammunition, and shooting fundamentals. Day 2 will include live fire proficiency testing. This is a popular BSA program and classes fill quickly. Register Early! This program is designed to be an organized troop activity. Scout leaders must provide a 1 in 5 student ratio.



Youth Rabbit Hunting Clinic

Clinic Friday, 9th – 6:30pm to 9:30pm

Hunts Saturday, 10th & 31st – 8am to 1pm each day

Course will include the habitat needs and preferences of the cottontail rabbit, rabbit biology, Missouri hunting regulations, firearms safety, hunting techniques, and game care. All students must complete the lecture to participate in the youth rabbit hunt. Youth must be hunter education certified and accompanied by a properly licensed adult.



Trapping Clinic

Friday, 16th – 6pm to 9pm &

Saturday, 17th – 8am to 1pm

This two day program will teach you the basics to get started trapping game such as raccoon, beaver, muskrat, fox and coyote. The classroom portion will introduce you to traps such as egg, cable restraint, and conibear type traps. The field work will consist of setting traps and fleshing or preparing your game hides.



Bird Feeder Construction

Wednesday, 21st – 6pm to 9pm

This course will give students the opportunity to construct a bird feeder that they can take home to enjoy the various species of birds that will frequent your newly constructed feeder. Some bird seed and suet will be provided.



THEODORE ROOSEVELT'S PRINCIPLES OF THE HUNT

...preserve large tracts of wilderness...and game...for all lovers of nature, and ...for the exercise of the skill of the hunter, whether he is or is not a man of means.

...the conservation of wildlife, and...all our natural resources are essentially democratic in spirit, purpose and method.

Public rights come first and private interest second.

...the genuine sportsman...is by all odds the most important factor in keeping...wild creatures from total extermination.

The true hunter...loves all parts of the wilderness...

A peculiar charm in the chase...comes from the wild beauty of the country...

...the rich...who are content to buy what they have not the skill to get by their own exertions—these are...the real enemies of game.

When hunting him (wapiti)...He must be followed on foot, and the man who follows him must be sound in limb and wind

...skill and patience, and the capacity to endure fatigue and exposure, must be shown by the successful hunter.

I wish to preach, not the doctrine of ignoble ease, but the doctrine of the strenuous life...

Shotgun Math 101 - Recoil

by: Tony L. Legg, Busch Outdoor Education Center Supervisor

So you want to know how to figure out what the “free recoil” your shotgun has with the shells you have chosen. Jan Morris offered some fantastic information in his article, but I want to add a little info from several of the shotgun courses I teach. Whenever I teach outdoor programs I always attempt to relate many of the things back to what you or your kids have learned in school. I always think of how kids growing up around me always stated they didn’t understand why they were learning certain things cause they would never use it later, Oh how little did we know!

Well, shooting is heavily involved with mathematics, physics and other sciences. Recoil sometimes called “free recoil” is simple physics. While I don’t think Einstein did much shotgunning, he understood the concept with the formula $MxV^2=E$, Mass times velocity squared equals energy. Another little tidbit from school that explains recoil simply, Sir Isaac Newton’s law “For every action there is an equal and opposite reaction.” In plain english, a heavy, maximum payload fired at high velocity will cause maximum recoil. Then there is another component of physics that effects recoil, “mass” or the weight of the gun.

Recoil is measured in ft/lbs, kick is measured in pain or the lack of it. Kick (AKA perceived recoil) is felt. While related to recoil, it’s influenced by a myriad of factors. Things like butt size,

face size and shape, softness, direction of force, even mindset, affect kick. So how can you figure out the recoil you will have, we use the formula $(E+1.75P)Mv \div W \div 7,000 = Rv$ (recoil velocity in ft. lbs). In this equation E equals the weight of the ejecta (powder, wad, and shot) in grains. The powder weight is multiplied by 1.75 to compensate for the fact that the expanding powder gases are moving faster than the shot when they exit the muzzle, and then multiplied by Mv is muzzle velocity. The figure derived by multiplying all of these factors is then divided by W, the weight of the gun, and the final answer is attained by dividing that number by 7000, the number of grains in a pound, yielding recoil velocity in foot pounds.

The mathematics reveal recoil energy, a measure of what we feel. However, recoil velocity tells us how fast the gun is coming back against our shoulder—and up into our cheek, given a poorly designed stock that has too much drop or too little pitch. But recoil can be made endurable by the combination of gun weight and the unique ability of semiautomatic shotguns to spread out the sensation of recoil. Other methods to attenuate recoil include barrel porting and add-on recoil reducers such as pads, shock-absorbing stacks, and weights.

Check out this web page for a recoil calculator you can use to help figure out what you are going to feel http://www.rfgc.org/reload/recoil_calc.htm and for more info on recoil check out <http://www.gunshopfinder.com/articles/shotgunrecoil-andkick.html>

Jay Henges Outdoor Education Center

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JANUARY PROGRAMS

Basic Crow Calling

Wednesday, 4th – 6pm to 9pm

Come out and learn the basics of calling crows. We will cover mouth and electronic calls, decoys, and firearms safety. Youth under age 16 must be accompanied by an adult.



St. Louis Area Trout Fishing Seminar

Thursday, 5th – 1pm to 4pm

Since 1989, the Missouri Department of Conservation has stocked rainbow trout in the St. Louis area. This year, MDC will stock over 36,000 trout in St. Louis City, Kirkwood, Ferguson, Ballwin, Overland, and the August A. Busch Memorial Conservation Area. Come and learn when, where, and how to catch rainbows in the St. Louis area. Youth under age 16 must be accompanied by an adult.



Brush Pile Construction for Wildlife

Saturday, 7th – 12pm to 4pm

Learn how to construct brush piles for wildlife cover and winter survival. This program will include a lecture on how-to and a hands-on field demonstration. This is a great winter project for the whole family.



Beginner Women's Handgun Course

Thursday, 19th – 6:30 to 9pm

This is a beginners program for handguns. Learn about the two types of handguns, how they function, how to safely handle, load, unload and aim them. There will be no live firing in this program.



Boy Scouts of America Rifle Merit Badge Program

Tuesday, 17th – 6pm to 9pm &

Saturday, 21st – 8am to 12pm

This BSA program will be taught by NRA and Missouri Hunter Education Instructors. This is a 2 day program. Program includes a 3 hour lecture on firearms safety, firearms nomenclature, ammunition, and shooting fundamentals. Day 2 will include live fire proficiency testing. This is a popular BSA program and classes fill quickly. Register Early! This program is designed to be an organized troop activity. Scout leaders must provide a 1 in 5 student ratio.



Basic Fly Tying Seminar

Wednesday, 25th – 6pm to 9pm

Start your trout season off right. Learn the basics and the proper way to tie flies. We will have a special guest speaker from Hartgrove fly tying shop. Youth under age 16 must be accompanied by an adult.



Missouri Hunter Education Student Course

Saturday & Sunday, 28th & 29th

9am to 4pm each day

The Missouri Hunter Education Student Course is a mandatory requirement for anyone born on or after January 1st, 1967 to purchase a firearm hunting permit. Students must be at least 11 years of age to be certified. Proof of age (birth certificate) will be necessary for those students 11 to 13 years old. Students must pass a written exam to become certified. Topics include Hunter Ethics and responsibilities, Conservation, Shooting Basics, Wildlife Identification, First Aid, and Survival Techniques. This is a 2 day course, MUST attend both days. Must be 11 years of age to be certified.



Range Rules to Remember....

by Tony Legg, Busch Outdoor Education Center Supervisor

“Children 15 years and younger must have an adult in the booth with them at all times.” “All children must be supervised at all times.”

During anyone's visit to our facilities we want to ensure all have a safe and enjoyable experience. Youth at times may not be completely in tune to all situations and can take things for granted or not understand all the outcomes. While they may be excellent shots, the maturity of reasoning and effects of actions are not fully developed. Shooting on ranges is one of the safest sports today and we want to keep it that way.

An adult in the booth with a youth and attentive to the youth provides a high level of safety not only for those in the booth, but the remaining visitors at the facility. It also allows for an opportunity not only to oversee the youth, but to mentor and bond in an activity that can be equally enjoying to both and can become competitive in nature.

An adult in the booth also allows for proper teaching of the firearm's operation, handling, safety, reloading, marksmanship fundamentals and the mental discipline required for shooting. Advice can be given and confusion can be avoided from range commands, rules and regulations.

The range has hazards not normally associated with other facilities and activities, this is why it is imperative that youth at the facility be under constant supervision. Inattentiveness could lead to a

Did you pick up this Conservation Connections Newsletter at a business or range?

Would you like to have it delivered to your house free or know someone else who would enjoy receiving it?

Just give us a call with the mailing address of your friends, family, and/or yourself and we will mail it right to your home or business.

**For a Free
Conservation Connections Newsletter
Subscription call
(636) 441-4554**

child falling off a bench or fence, wandering into dangerous areas, or entering other visitor's booths unaware they are there or interfere with other shooters.

Additionally, youth may wander too close to the shooting areas and not have safety equipment (hearing and eye protection) and endanger themselves. This is why children are not allowed to be on the benches by themselves while the adult is in the booth shooting, the adult's attention is on a well placed shot and not on the child.

This rule, as all of our rules, is for everyone's safety and enjoyment. They are not intended to be a burden on users. **THANK YOU for helping to keep the ranges safe and fun for all.**



St. Louis Region Hunter Education Certification Courses

ALL COURSES ARE FREE OF CHARGE TO THE PUBLIC UNLESS NOTED

(additional courses listed on range program pages)

The Missouri Hunter Education Certification Course is a mandatory requirement for anyone born on or after January 1, 1967 to purchase a firearm hunting permit or deer and turkey transportation tags. Many of our free youth managed hunts and clinics require both youth and adult to be certified.

Open to ages 11 and up, youth ages 11 thru 13 must have an adult attend with them, ages 15 and younger must bring birth certificate, ages 16 and older must have a valid ID. Students must attend all sessions and pass an exam to become certified.

Topics included: hunter ethics and responsibility, firearms and ammunition, firearms safety, hunter preparation, first aid and survival, hunter skills, primitive hunting equipment, and wildlife conservation, management and identification.

Seating is limited, so reserve your place early and check on any special requirements, bringing of lunches, or fees needed for that location. All regional classes scheduled can be seen on the regional web site at: www.mdc.mo.gov/areas/stlouis

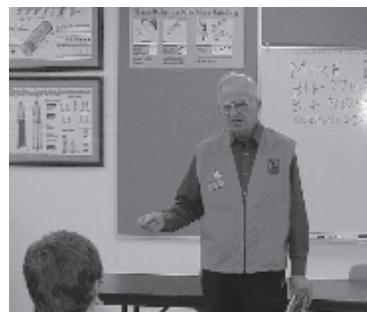
Jefferson County

Location: Jay Henges Shooting Range & Outdoor Education Center

Date: January 28th & 29th

Time: 9am to 4pm each day

Registration#: (636) 441-4554



Mr. Ralph Redstone (pictured), St. Louis Rural Region and Missouri State Hunter Education Volunteer Instructor of the Year award winner for 2004

St. Charles County

Location: Busch Conservation Area

Date: December 6th, 7th & 8th

Time: 5:30pm to 9:30pm each night

Registration#: (636) 441-4554

Location: Busch Conservation Area

Date: January 17th, 18th & 19th

Time: 5:30pm to 9:30pm each night

Registration#: (636) 441-4554

Location: St. Charles Community College

Date: January 21st & 22nd

Time: 9am to 4pm each day

Registration#: (636) 922-8233

Remarks: \$5 fee by facility

Become a Volunteer Missouri Hunter Education Instructor and join the ranks of hundreds of other people who are dedicated to teaching Missouri youth how to hunt safely and responsibly.

The dates and locations for 2006 Instructor classes are:

February 3-4: Powder Valley

February 24-25: Busch C.A.

March 4th: East Central College

July 14-15: Forest Park

August 4-5: Powder Valley

August 11-12: Busch C.A.

Fill out the form below and mail it to the Outdoor Skills Specialist for the county where you live. Thank you for your interest in Hunter Education!

Conrad Mallady: Sullivan Office; PO Box 248; Sullivan, MO 63080 -- 573/468-3335; (Jefferson, Franklin, Washington, Crawford Counties)

Kurt Otterstein: St. Louis Regional Office; 2360 Hwy D; St. Charles, MO 63304; -- 636/441-4554; (St. Charles, Lincoln, Warren Counties)

Dennis Cooke: Forest Park Office; 5595 Grand Dr.; Forest Park, MO 63112 -- 314/877-1309; (St. Louis City)

Scott Sarantakis: Powder Valley Office; 11715 Cragwood Rd, Kirkwood, MO 63122; -- 314/ 301-1500; (St Louis County)

(CUT ALONG THIS LINE AND MAIL BOTTOM PORTION)

☐ Yes, I am interested in becoming a Volunteer Missouri Hunter Education Instructor. Please send me an Instructor application. I understand that I need to be student certified.

Date (s) of Class interested in: _____

Name _____

Address _____ City _____ Zip _____

Phone _____ E-mail _____

Please refer to the list above and mail to the Outdoor Skills Specialist in the county where you live. You will be sent an Instructor application.



Conservation Connections

Missouri Department of Conservation
2360 Hwy D
St. Charles, MO 63304-2215
www.mdc.mo.gov/areas/stlouis

Return Service Requested

PRSRT STD.
U.S. POSTAGE PAID
JEFFERSON CITY MO
PERMIT 274

Look On The Web And Register For Our Up Coming Outdoor Programs Here Are Just A Few!

www.mdc.mo.gov/areas/stlouis

www.mdc.mo.gov/areas/ranges/busch or www.mdc.mo.gov/areas/ranges/henges

February

At Busch

4th Cold Water Trout
9th & 11th Beginning Skeet
11th Reading the Trout Waters
16th & 18th NRA Basic Pistol Certification

At Henges

1st & 4th Beginning Adult Rabbit Clinic & Hunt
11th Beginning Shotgun
19th Public Fun Shoot

March

At Henges

8th The Art of Filleting Fish
15th Bobwhite Quail Management
18th Youth Turkey Hunting Clinic
25th Rendezvous with flint & steel, knife & hawk

At Busch

4th & 11th Fly Tying
18th Predator Calling
25th Youth Turkey Hunting Clinic & Hunt Draws
30th & April 1st Mushroom Hunting

Outdoor Education Center Volunteers Wanted

Do you like working with people of all ages? We are continually looking for individuals who enjoy sharing their time, love for the outdoors and dedication to conservation. If you are interested contact us at:

Busch (636) 300-1953 ext 251

Henges (636) 938-9548

**No MORE
Trash!**